

Black Unicorn

Gyrostabilized remotely-controlled crane “Black Unicorn Crane”

Gyrostabilized remotely-controlled crane “Black Unicorn Crane” is designed to solve a huge range of complex operator tasks when shooting stationary and moving objects. It allows to increase the dynamics and add drama to any scene. High precision and ease of use, combined with a powerful characteristics, significantly expands the technical capabilities of filming.

Remotely-controlled crane “Black Unicorn Crane” can operate with any panoramic gyro-stabilized camera platforms: from tiny to gigantic, weighing more than 85kg. Light and agile “Black Unicorn Crane” allows shooting at a carrier speed of over 180 km/h and 90 km/h off-road. Remote control of the crane is realized from the cabin of the vehicle. Crane is not difficult to uninstall from the roof of the car and to install on other types of vehicles, for example, on a boat or a train.



Parallax

Research & Development

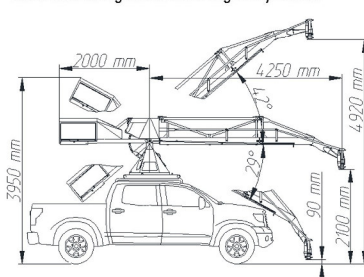
Gyrostabilized remotely-controlled crane “Black Unicorn Crane”

Features:

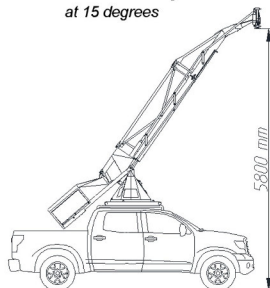
- Pan & Tilt are gyrostabilized
- Different arm configurations are available: 3,15 m.; 5,35 m.; 6,45 m.; 7,55 m.
- 360° panning capability
- Operating tilt angle: +42°; -29°
- Maximum jib tilt angle +62°; -62°
- Pan speed: 360°/4,5 sec.
- Maximum payload weight: 85 kg.
- Counterweight lifting height: $\pm 0,3$ m.
- Counterweight lifting time: 10 sec.
- Nominal voltage 60 VDC
- Waterproof IP65
- Limits, speed and damping control are available from control panel
- Control panel is located inside the camera car.
- Max. weight with maximum payload 790 kg.
- Total weight without payload counterweight standard configuration 14': 275 kg.

STANDARD CONFIGURATION 14'

The counterweight is in zero degrees position

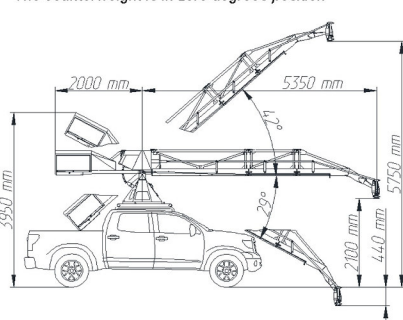


The counterweight is lifted at 15 degrees

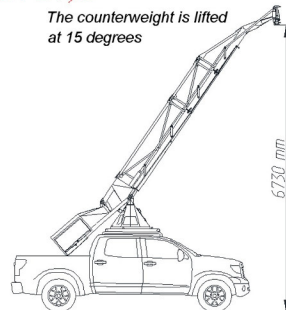


CONFIGURATION 17,8'

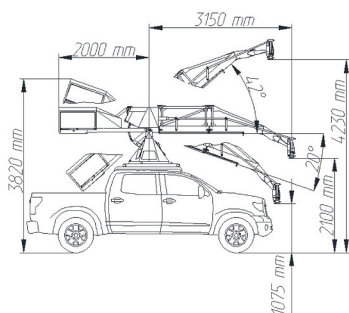
The counterweight is in zero degrees position



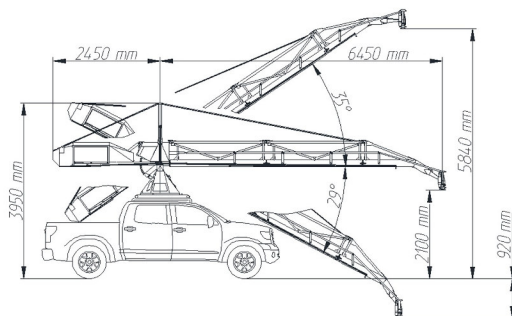
The counterweight is lifted at 15 degrees



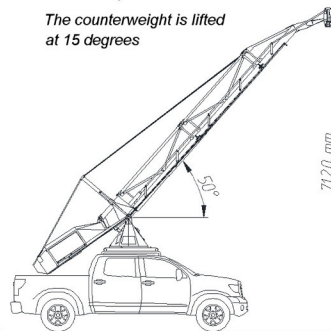
CONFIGURATION 10,5'



The counterweight is in zero degrees position

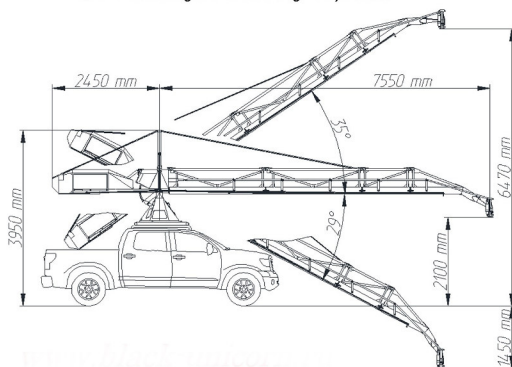


The counterweight is lifted at 15 degrees



SPECIAL CONFIGURATION 25'

The counterweight is in zero degrees position



The counterweight is lifted at 15 degrees

